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C =====
C = ROUTINE 16.
C =====

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PROGRAM PPTPU

IMPLICIT INTEGER (A-Z)

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CHARACTER ASKJO * 42
CHARACTER CPUNO * 8
CHARACTER TCPUN * 12
CHARACTER FINAM * 11
CHARACTER SEMNA (9) * 11
CHARACTER S3TYPE * 6
CHARACTER ABYP * 21
CHARACTER ACPU * 21
CHARACTER ANSW * 30
CHARACTER YES * 3
CHARACTER NO * 2
CHARACTER PTERM * 40

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DATA SEMNA (1)      /'(AUX)SEMA1'/
DATA SEMNA (2)      /'(AUX)SEMA2'/
DATA SEMNA (3)      /'(AUX)SEMA3'/
DATA SEMNA (4)      /'(AUX)SEMA4'/
DATA SEMNA (5)      /'(AUX)SEMA5'/
DATA SEMNA (6)      /'(AUX)SEMA6'/
DATA SEMNA (7)      /'(AUX)SEMA7'/
DATA SEMNA (8)      /'(AUX)SEMA8'/
DATA SEMNA (9)      /'(AUX)SEMA9'/
DATA TCPUN          /'N-10-XXX  '/
DATA S3TYPE         /'**S3VS'/
DATA ABYP           /'BYPASSING SEMAPHORE? '/
DATA ACPU           /'CPU-NUMBER -----: '/
DATA YES            /'YES'/
DATA NO             /'NO'/
DATA ASKJO          /'JOB-NUMBER: (0-TERMINATES PROG.)--? :'/
DATA PTERM          /'----- DUMP-FINISHED -----'/

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IBELL=7B
MINJ=1
MAXJ=9

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5  WRITE(1,2000)ASKJO
   INPUT(1)JOBNO
   IF(JOBNO.EQ.0)GOTO 900
   IF(JOBNO.LT.MINJ.OR.JOBNO.GT.MAXJ)THEN
       WRITE(1,3000)MINJ,MAXJ,IBELL
       GOTO 5
   ENDIF

   FINAM=SEMNA(JOBNO)
   CALL CHEOCC(FINAM,CPUNO,S3TYPE,IOCCU)
   IF(IOCCU.NE.0)GOTO 50
10  WRITE(1,2000)ABYP
   INPUT(1)ANSW
   IF(ANSW(1:2).EQ.NO)GOTO 900
   IF(ANSW(1:3).EQ.YES)GOTO 20
   GOTO 10
20  WRITE(1,2000)ACPU
   INPUT(1)ANSW
   CPUNO(1:8)=ANSW(1:8)
   IOCCU=1
   GOTO 60
50  IF(IOCCU.EQ.2)WRITE(1,1000)IBELL
60  TCPUN(6:8)=CPUNO(6:8)
   IF(IOCCU.EQ.1)CALL PUCON(JOBNO,TCPUN)
   IF(IOCCU.EQ.1)CALL SEMOFF(FINAM,1)

   GOTO 5
900 WRITE(1,4000)PTERM
1000 FORMAT(/,1H ,A2,*SINTRAN NOT VS-TYPE!!*,/)
2000 FORMAT(/,1H$,A)
3000 FORMAT(/,1H ,*LEGAL JOB-NUMBERS ARE *,I2,3H - ,I2,A2)
4000 FORMAT(/,1H ,A)
END
EOF

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PPTDU:SYMB